

Application No.: 10/509,748

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AMENDMENT TO THE CLAIMS

1. (Currently amended) A hermetic type compressor comprising:
- a hermetic container which accommodates stored oil, an electric motor unit, and a compressing unit,
- wherein the compressing unit comprises:
- a cylinder for storing a reciprocally moving piston, a plate disposed at an end of the cylinder, a suction muffler having a connection pipe communicated to a suction hole in the plate, and a cylinder head disposed at the anti-cylinder side of the plate, and
- the cylinder head is formed with a discharge chamber and a resonance chamber which communicates one side opened connection pipe;
- a flange of which shape is generally U-shaped having upper and lower surfaces and an outer periphery is disposed at an outer periphery of the connection pipe;
- the cylinder head is provided with a generally U-shaped groove to which the generally U-shaped flange is fitted at a position corresponding to the flange; and
- by fitting the flange is fitted in into the groove, having an effective sealing width added to the upper and lower surfaces and the outer surface, thereby forming a seal portion so as to prevent a leakage of pressure pulsation in the resonance chamber to the outside.

2-3. (Canceled)

4. (Original) The hermetic type compressor of claim 1, wherein an oil hole is disposed at the bottom of the suction muffler that is above the seal portion.

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5. (Original) The hermetic type compressor of claim 4, wherein oil stored at the bottom of the suction muffler drips from the oil hole onto the seal portion.

6. (Original) The hermetic type compressor of claim 1, wherein the resonance chamber of the cylinder head has a nearly semi-circular shape arcuately extended to the discharge chamber side.

7. (Original) The hermetic type compressor of any one of claims 1, 6, wherein the connection pipe of the suction muffler is provided with a ring-like seat formed so as to be disposed along an inner wall of the resonance chamber.

8. (Currently amended) The hermetic type compressor of ~~any one of~~ claims 1 or 6 ~~1, 6,~~ ~~7,~~ wherein the suction muffler is provided with an opening formed in the hermetic container, and the resonance frequency of the opening is coincident with the resonance frequency of a resonance muffler configured by the resonance chamber and the ring-like seat disposed along the inner wall of the resonance chamber.

9. (Original) The hermetic type compressor of claim 1, wherein the resonance frequency of a plane portion formed in the hermetic container and the resonance frequency of the opening of the suction muffler are independent of each other.

10. (New) The hermetic type compressor of claim 7, wherein the suction muffler is provided with an opening formed in the hermetic container, and the resonance frequency of the

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opening is coincident with the resonance frequency of a resonance muffler configured by the resonance chamber and the ring-like seat disposed along the inner wall of the resonance chamber.